

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074671.D
 Acq On : 30 Sep 2022 16:53
 Operator : JC\MD
 Sample : N4913-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:06:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

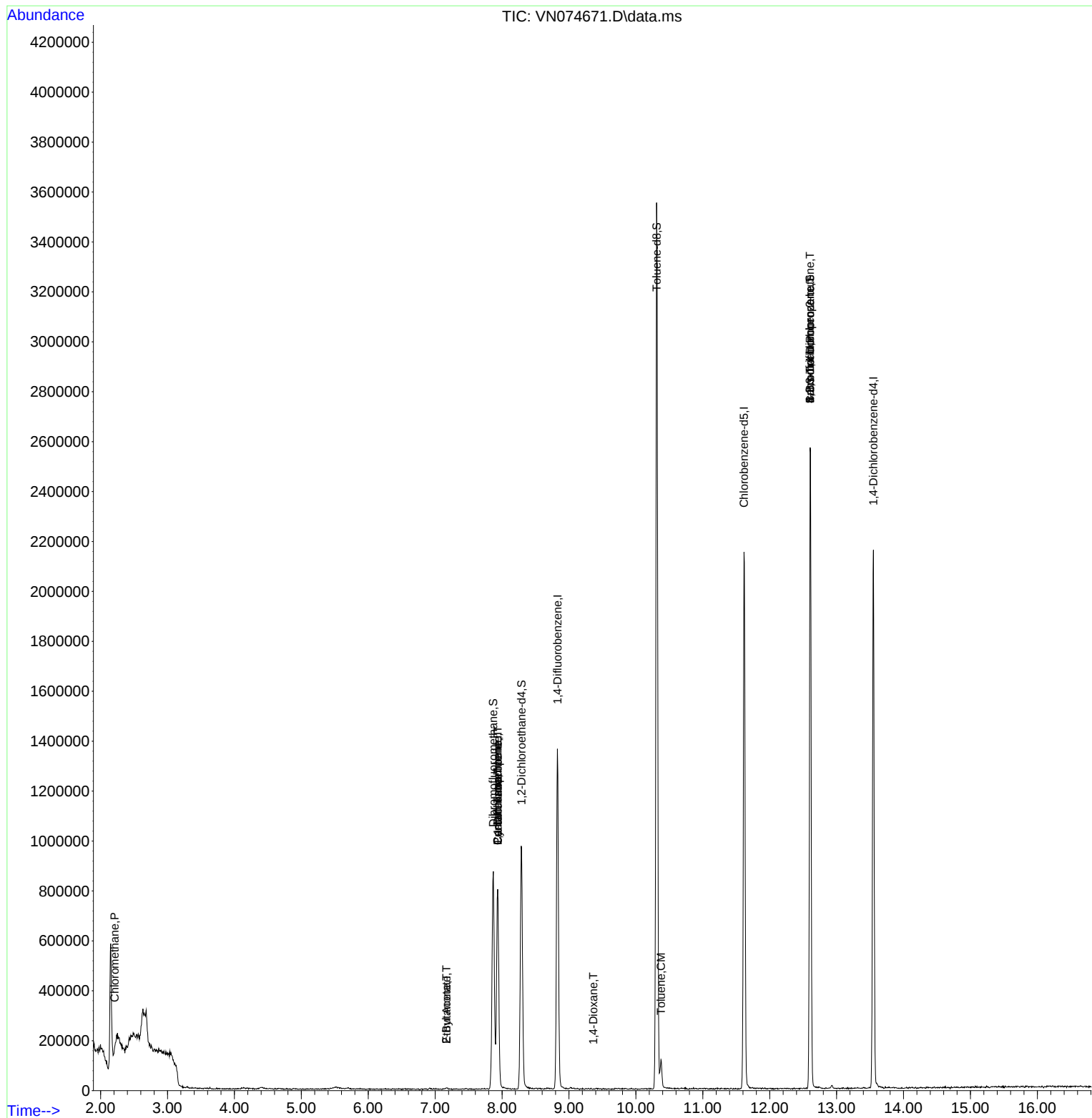
Internal Standards						
1) Pentafluorobenzene	7.933	168	581805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.827	114	1132269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1151034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	521718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	736826	50.532	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.060%
35) Dibromofluoromethane	7.869	113	605323	50.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.020%
50) Toluene-d8	10.310	98	2355824	46.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.604	95	784062	49.051	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.100%
Target Compounds						
						Qvalue
3) Chloromethane	2.210	50	5682	0.319	ug/l	100
8) Diethyl Ether	3.463	74	165	Below Cal		75
13) Acrolein	3.916	56	122	Below Cal	#	16
16) Acetone	4.145	43	4318	Below Cal	#	88
20) Methylene Chloride	4.904	84	287	Below Cal	#	14
25) 2-Butanone	7.169	43	9450	0.704	ug/l #	71
31) Cyclohexane	7.933	56	18186	0.768	ug/l #	56
36) 1,1-Dichloropropene	7.933	75	55800	2.907	ug/l #	51
37) Ethyl Acetate	7.169	43	9450	0.333	ug/l #	71
38) Carbon Tetrachloride	7.933	117	63405	3.606	ug/l #	16
49) 1,4-Dioxane	9.363	88	208	0.583	ug/l #	1
52) Toluene	10.374	92	40369	1.130	ug/l	99
71) Bromoform	12.604	173	5019	0.509	ug/l #	1
74) N-amyl acetate	12.263	43	440	Below Cal	#	70
75) 1,1,2,2-Tetrachloroethane	12.657	83	72	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	467377	39.582	ug/l #	1
77) Bromobenzene	12.727	156	283	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	467377	74.863	ug/l #	10
94) Hexachlorobutadiene	15.239	225	85	Below Cal	#	18

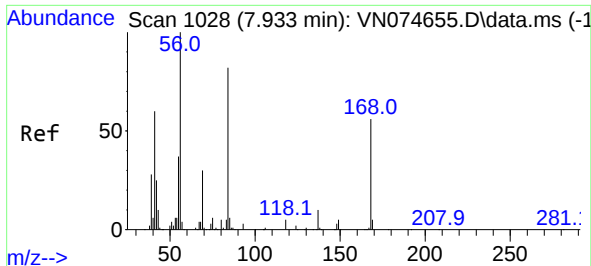
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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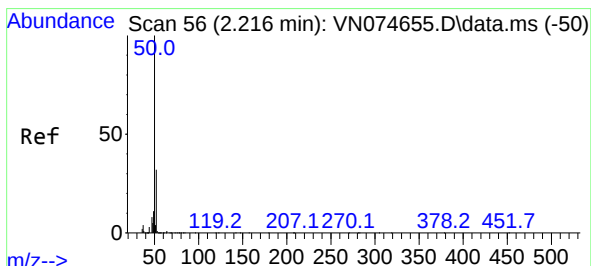
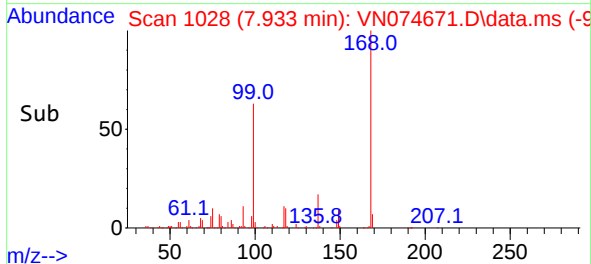
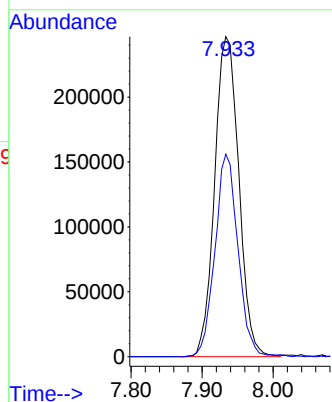
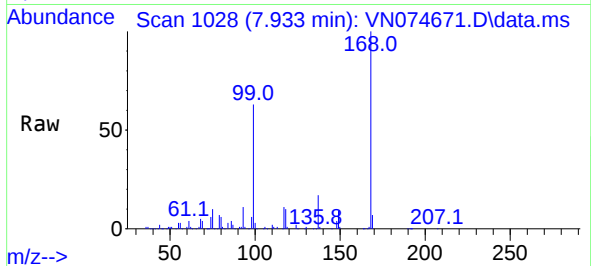




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

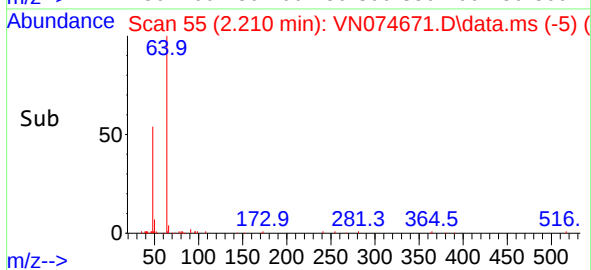
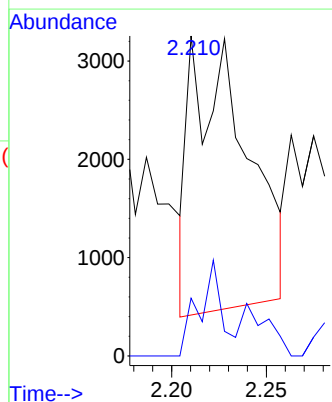
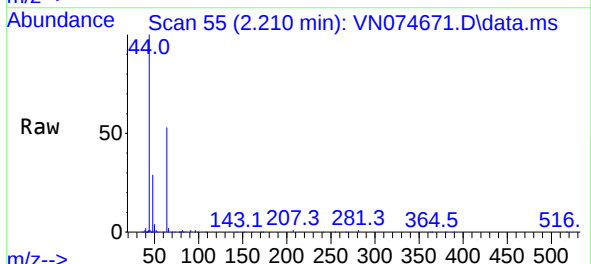
Instrument :
MSVOA_N
ClientSampleId :

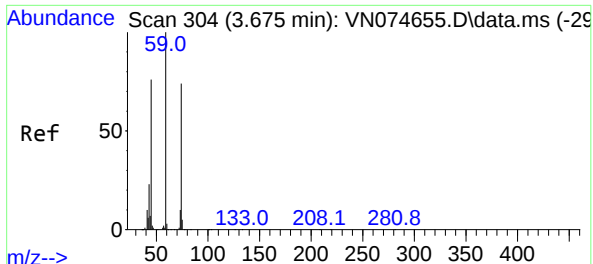
Tgt Ion:168 Resp: 581805
Ion Ratio Lower Upper
168 100
99 63.2 42.3 63.5



#3
Chloromethane
Concen: 0.319 ug/l
RT: 2.210 min Scan# 55
Delta R.T. -0.006 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Tgt Ion: 50 Resp: 5682
Ion Ratio Lower Upper
50 100
52 32.1 25.7 38.5





#8

Diethyl Ether

Concen: Below Cal

RT: 3.463 min Scan# 20

Delta R.T. -0.212 min

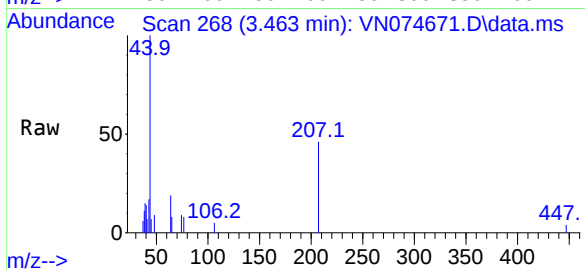
Lab File: VN074671.D

Acq: 30 Sep 2022 16:53

Instrument :

MSVOA_N

ClientSampleId :

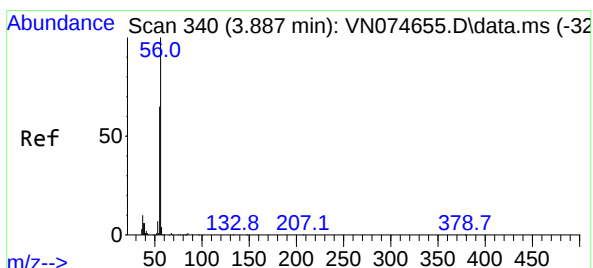
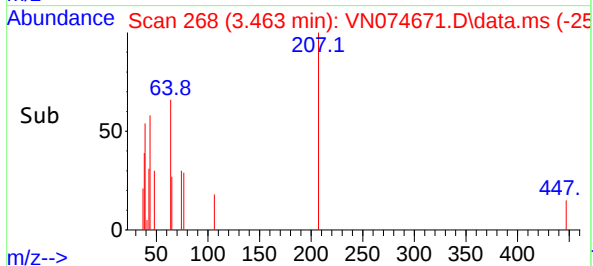
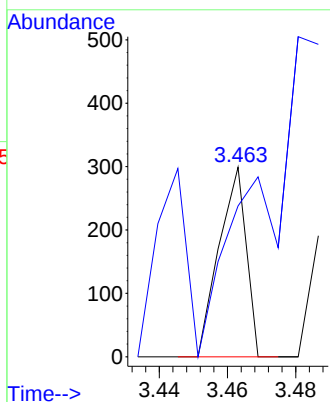


Tgt Ion: 74 Resp: 165

Ion Ratio Lower Upper

74 100

45 108.5 42.9 128.5



#13

Acrolein

Concen: Below Cal

RT: 3.916 min Scan# 345

Delta R.T. 0.029 min

Lab File: VN074671.D

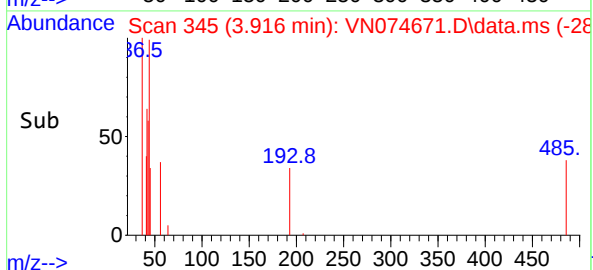
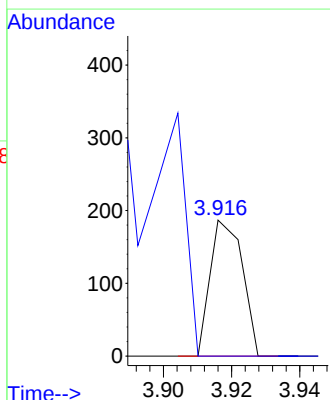
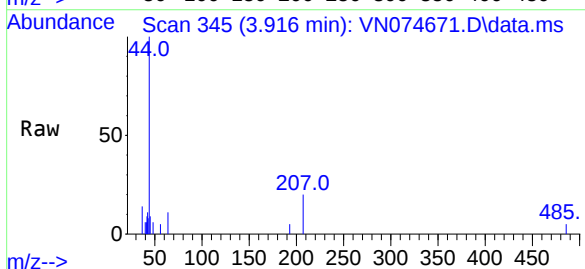
Acq: 30 Sep 2022 16:53

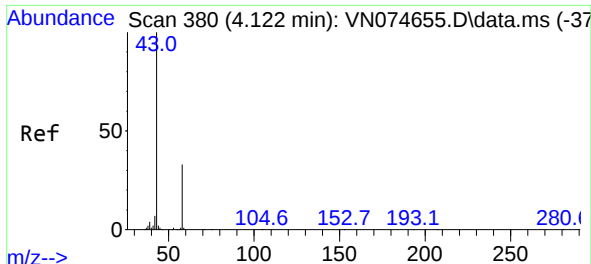
Tgt Ion: 56 Resp: 122

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#

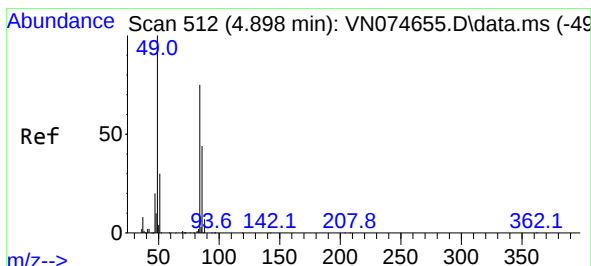
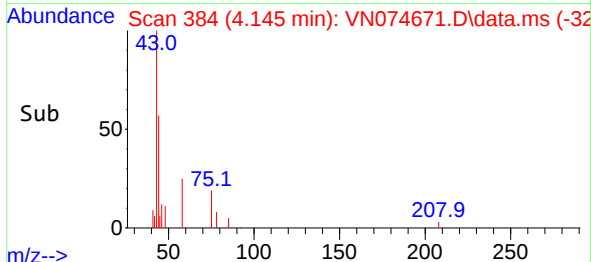
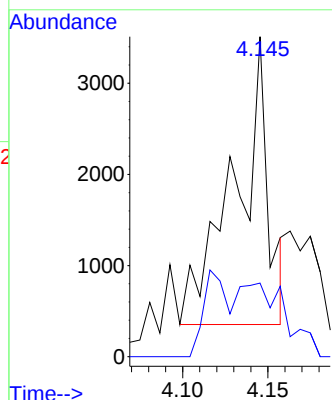
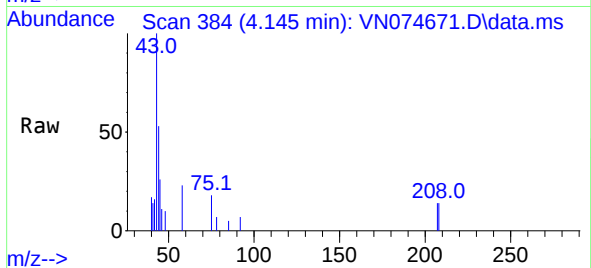




#16
Acetone
Concen: Below Cal
RT: 4.145 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

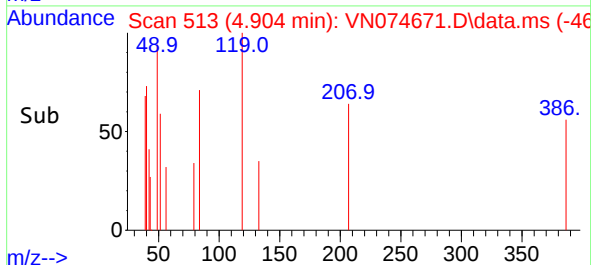
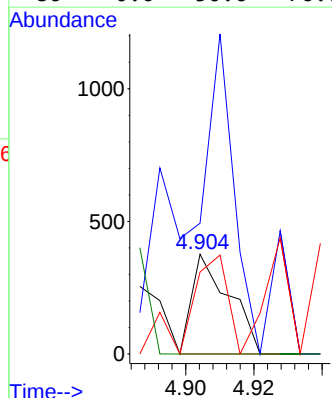
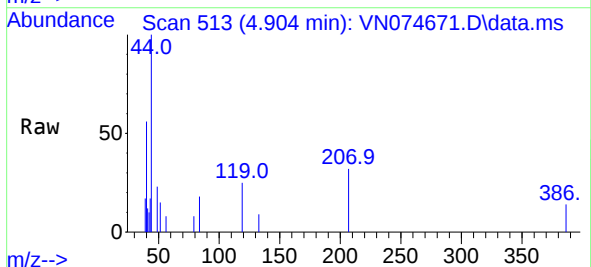
Instrument :
MSVOA_N
ClientSampleId :

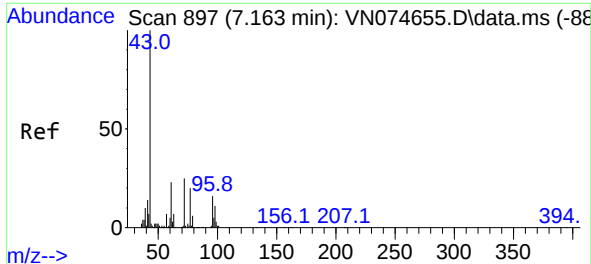
Tgt Ion: 43 Resp: 4318
Ion Ratio Lower Upper
43 100
58 25.6 26.0 39.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.904 min Scan# 513
Delta R.T. 0.006 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Tgt Ion: 84 Resp: 287
Ion Ratio Lower Upper
84 100
49 15.4 88.3 132.5#
51 82.2 28.2 42.2#
86 0.0 50.6 76.0#

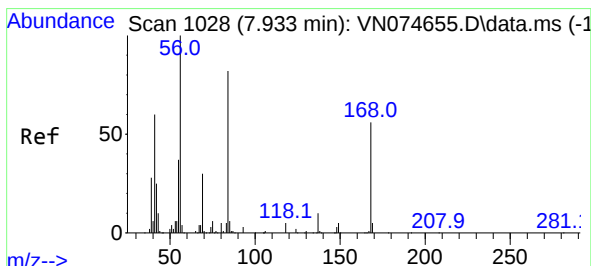
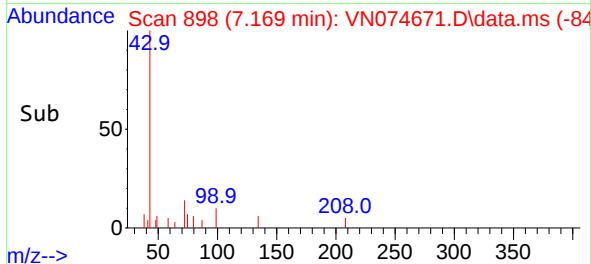
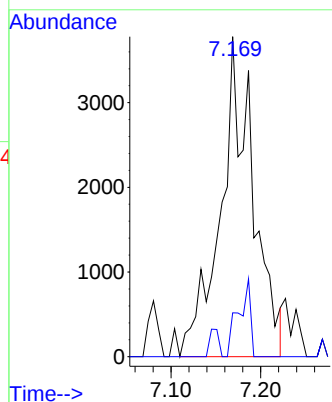
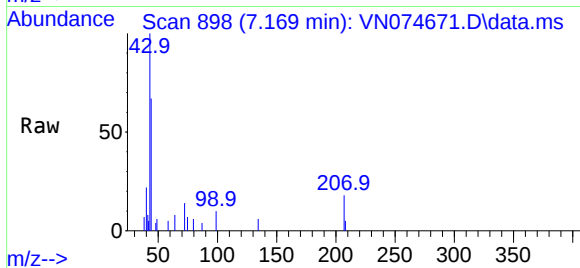




#25
2-Butanone
Concen: 0.704 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

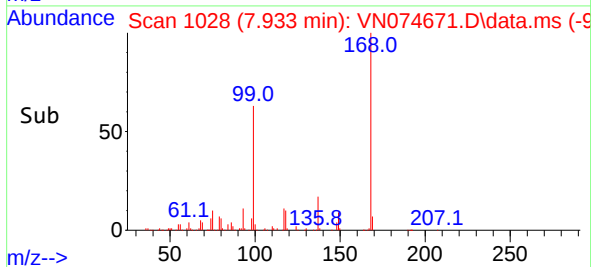
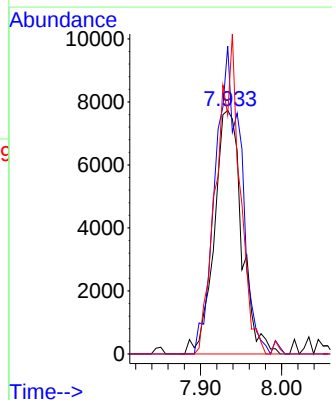
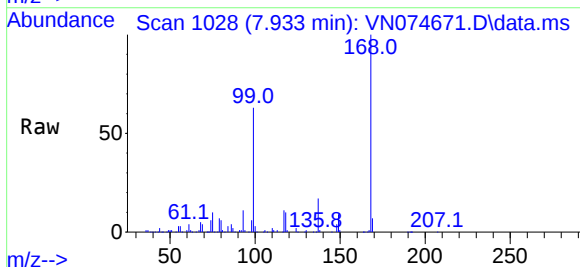
Instrument :
MSVOA_N
ClientSampleId :

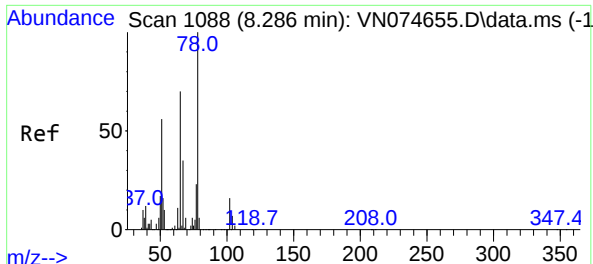
Tgt Ion: 43 Resp: 9450
Ion Ratio Lower Upper
43 100
72 13.7 23.7 35.5#



#31
Cyclohexane
Concen: 0.768 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Tgt Ion: 56 Resp: 18186
Ion Ratio Lower Upper
56 100
69 126.5 27.8 41.8#
84 98.1 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 50.532 ug/l

RT: 8.292 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VN074671.D

Acq: 30 Sep 2022 16:53

Instrument :

MSVOA_N

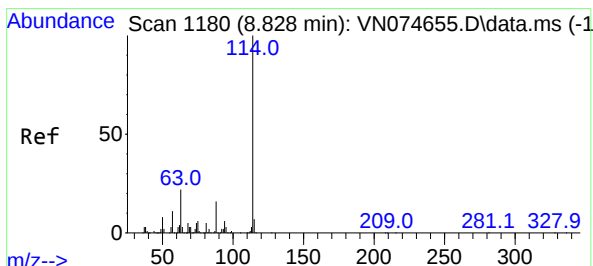
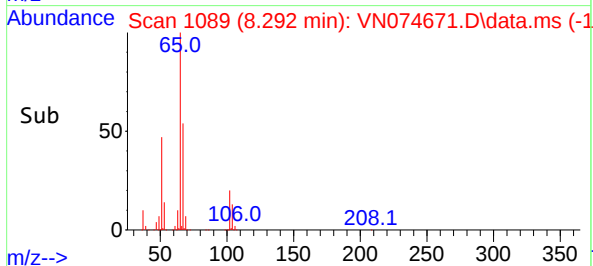
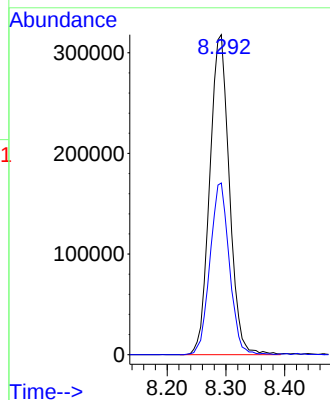
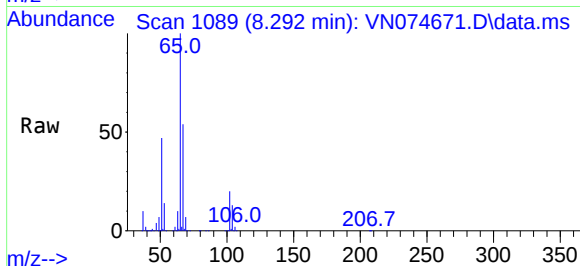
ClientSampleId :

Tgt Ion: 65 Resp: 736826

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.827 min Scan# 1180

Delta R.T. -0.001 min

Lab File: VN074671.D

Acq: 30 Sep 2022 16:53

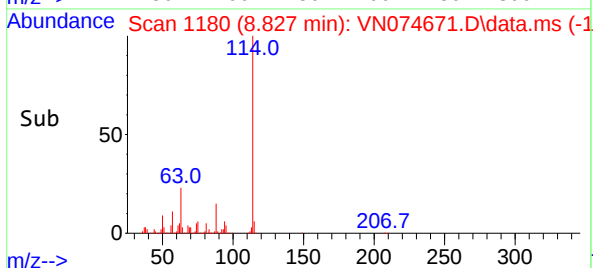
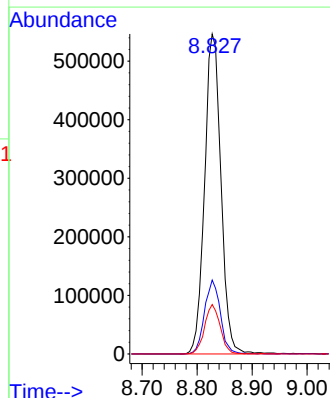
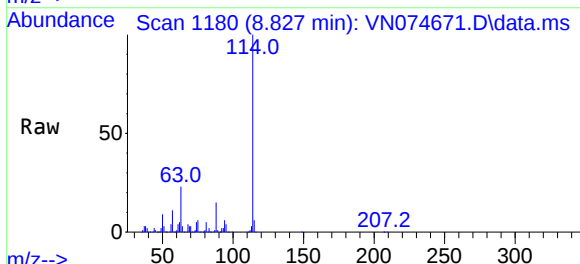
Tgt Ion:114 Resp: 1132269

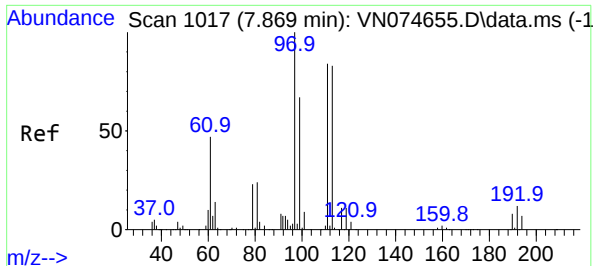
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

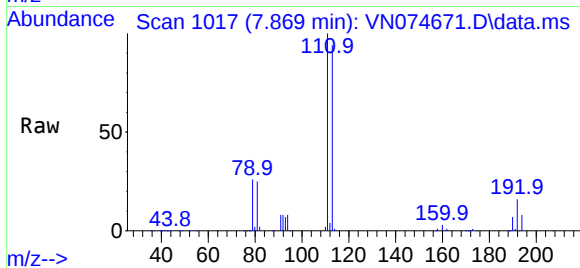
88 15.5 0.0 32.6



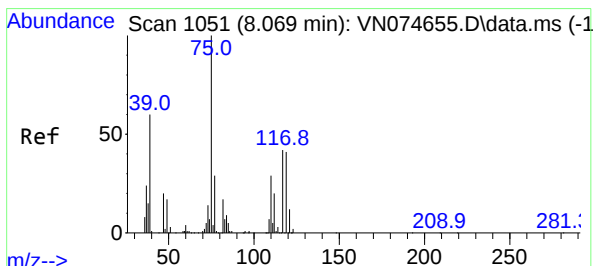
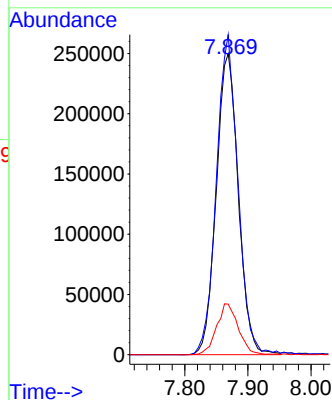
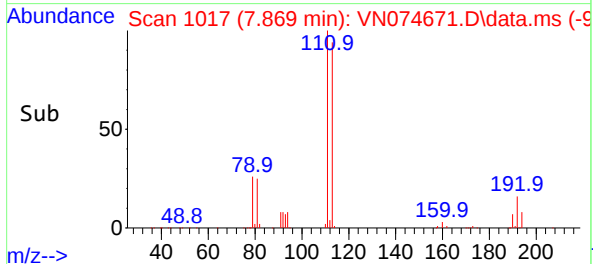


#35
Dibromofluoromethane
Concen: 50.509 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

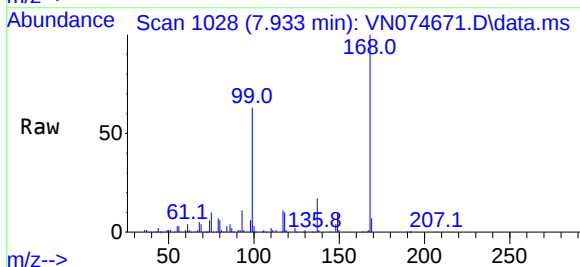
Instrument :
MSVOA_N
ClientSampleId :



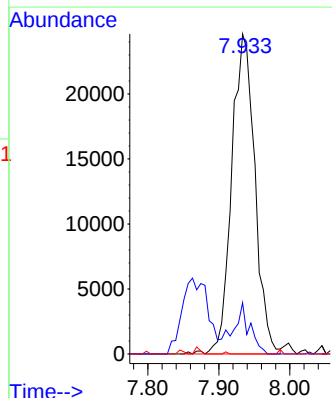
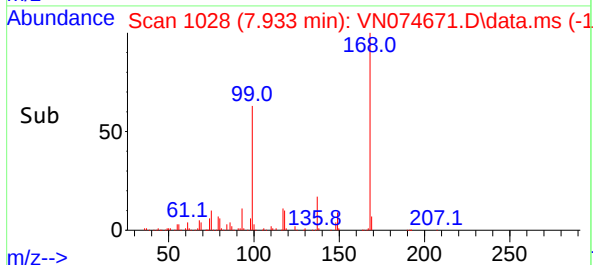
Tgt Ion:113 Resp: 605323
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.0
192 16.6 17.0 25.6#

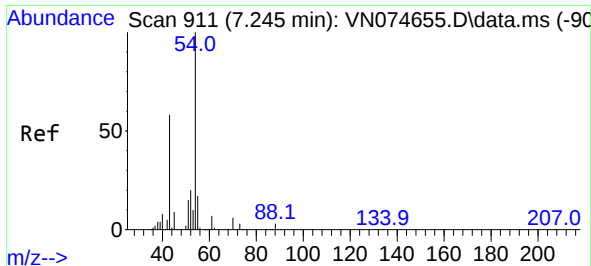


#36
1,1-Dichloropropene
Concen: 2.907 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53



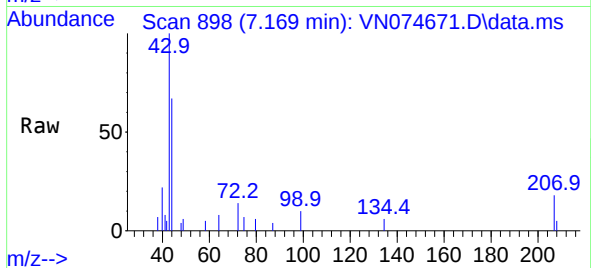
Tgt Ion: 75 Resp: 55800
Ion Ratio Lower Upper
75 100
110 11.1 18.3 54.8#
77 0.0 25.1 37.7#



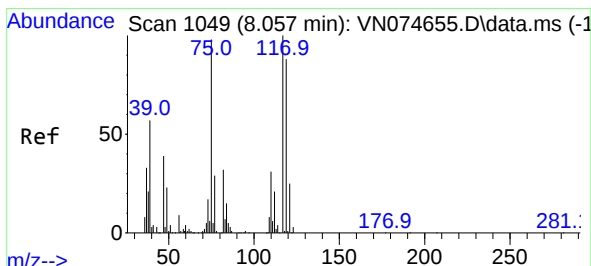
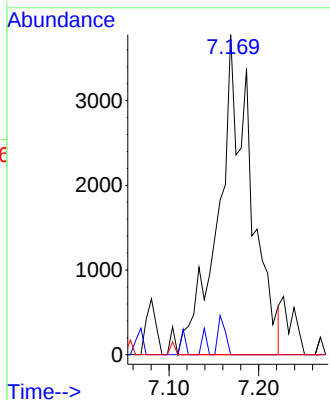
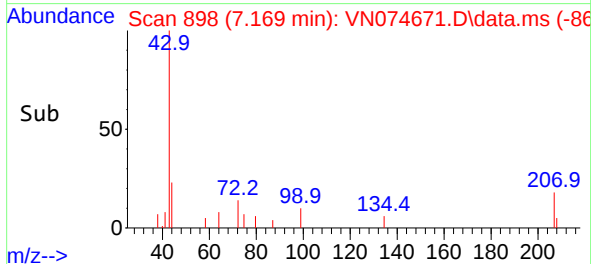


#37
Ethyl Acetate
Concen: 0.333 ug/l
RT: 7.169 min Scan# 898
Delta R.T. -0.076 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Instrument :
MSVOA_N
ClientSampleId :

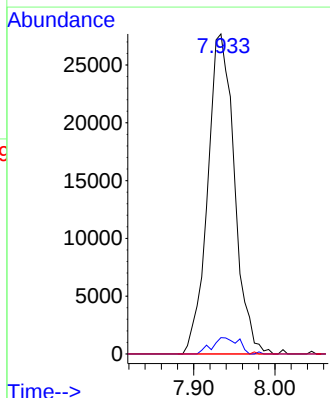
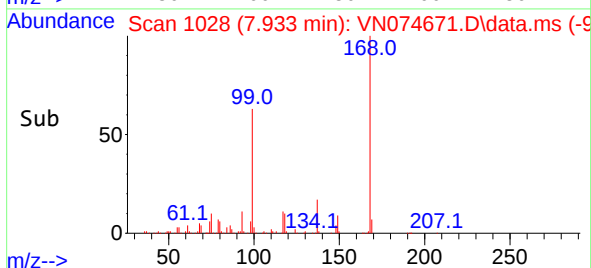
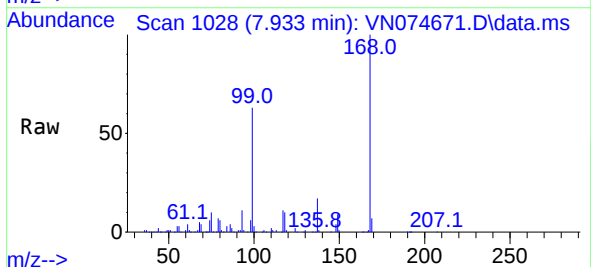


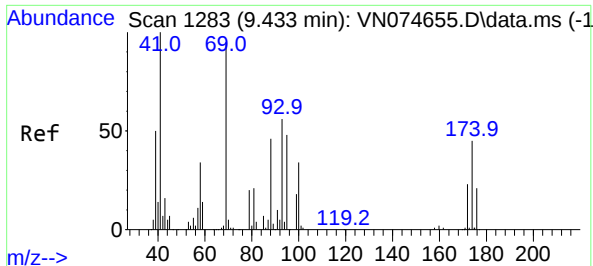
Tgt Ion: 43 Resp: 9450
Ion Ratio Lower Upper
43 100
61 2.8 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 3.606 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

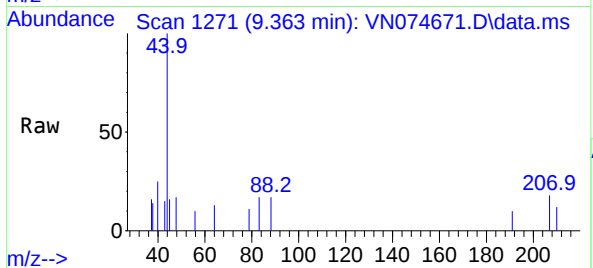
Tgt Ion: 117 Resp: 63405
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



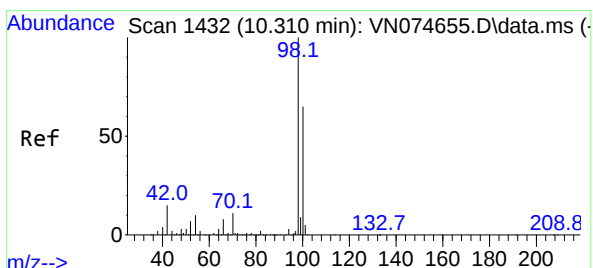
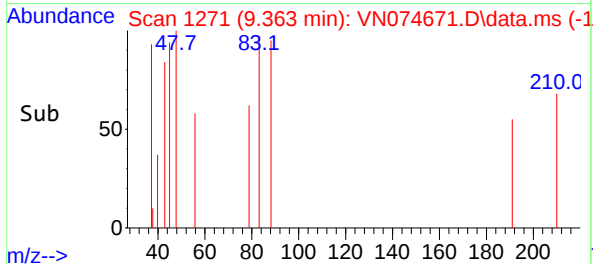
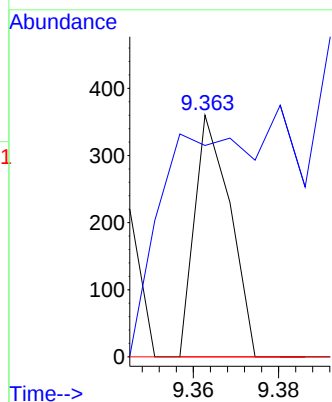


#49
1,4-Dioxane
Concen: 0.583 ug/l
RT: 9.363 min Scan# 11
Delta R.T. -0.070 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Instrument :
MSVOA_N
ClientSampleId :

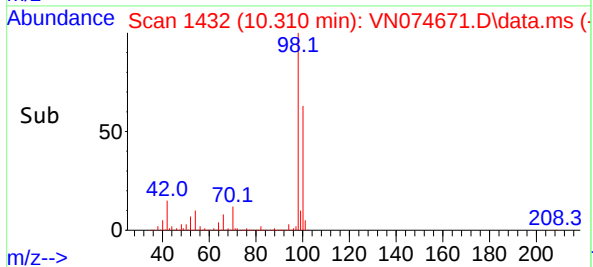
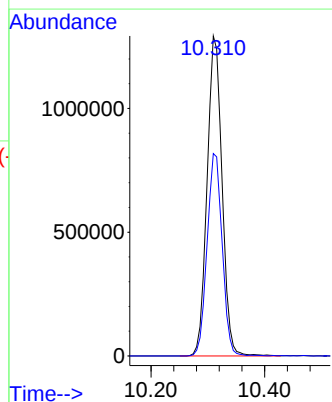
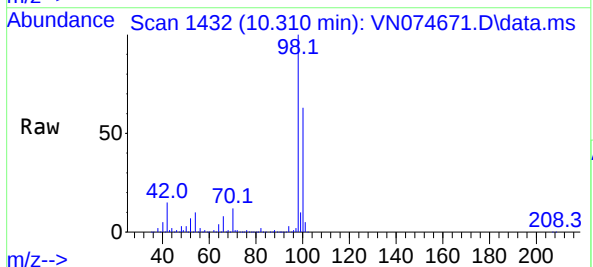


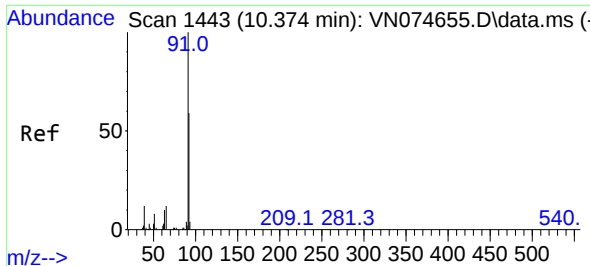
Tgt Ion: 88 Resp: 208
Ion Ratio Lower Upper
88 100
43 249.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.733 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Tgt Ion: 98 Resp: 2355824
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

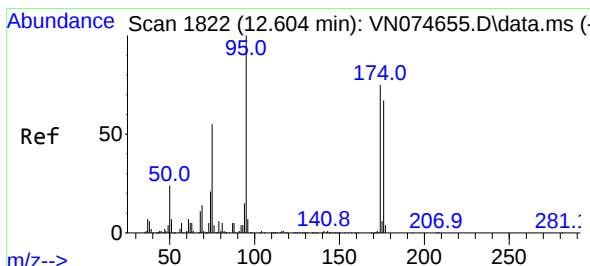
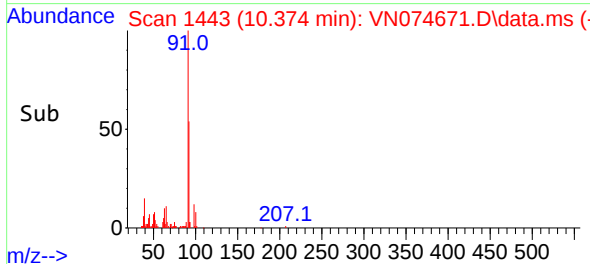
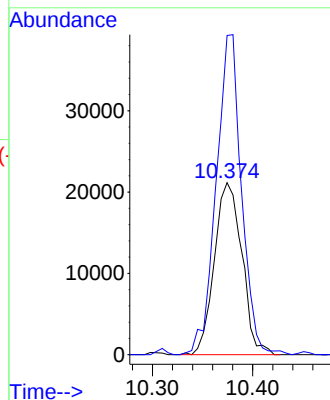
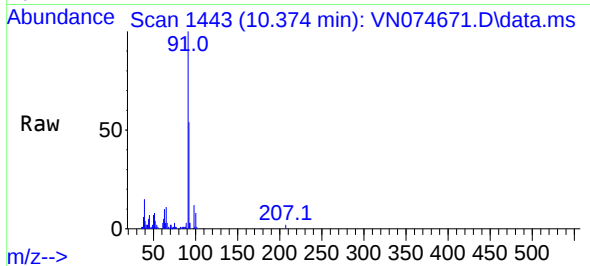




#52
Toluene
Concen: 1.130 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

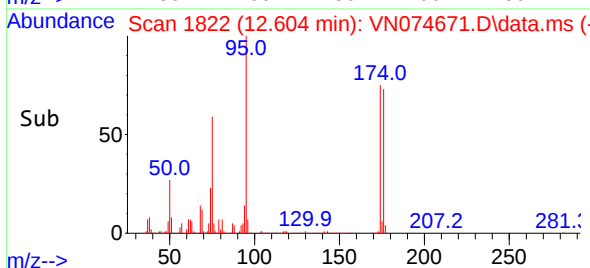
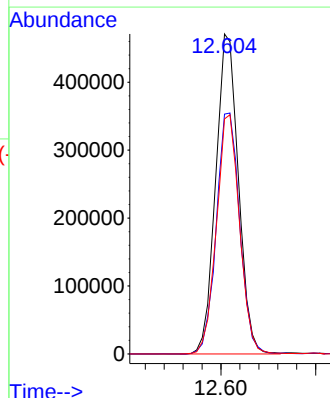
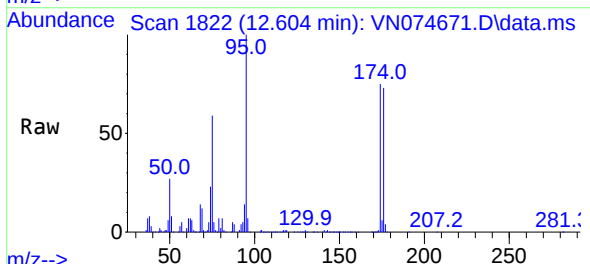
Instrument :
MSVOA_N
ClientSampleId :

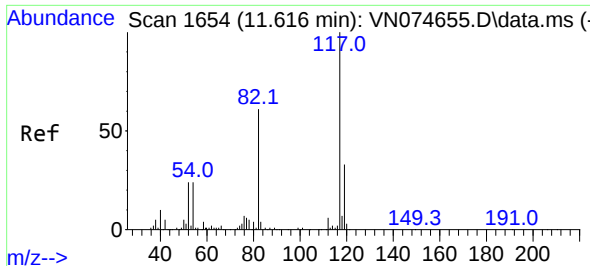
Tgt Ion: 92 Resp: 40369
Ion Ratio Lower Upper
92 100
91 171.5 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 49.051 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

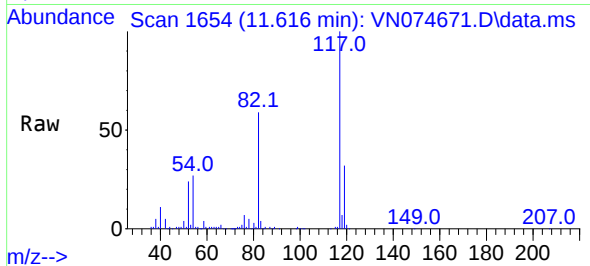
Tgt Ion: 95 Resp: 784062
Ion Ratio Lower Upper
95 100
174 77.6 0.0 167.6
176 76.1 0.0 163.4



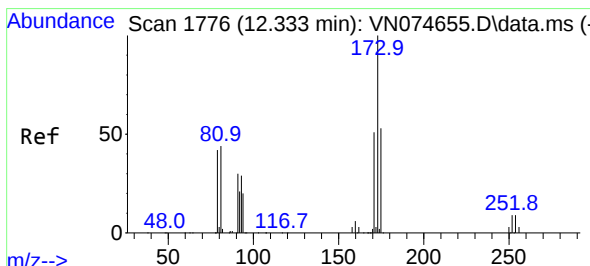
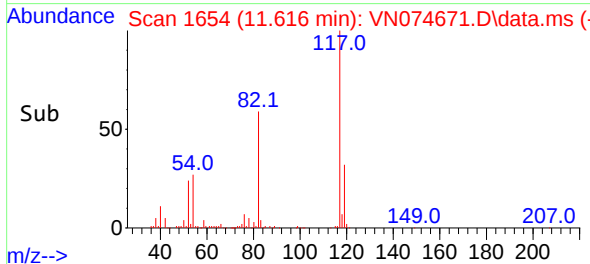
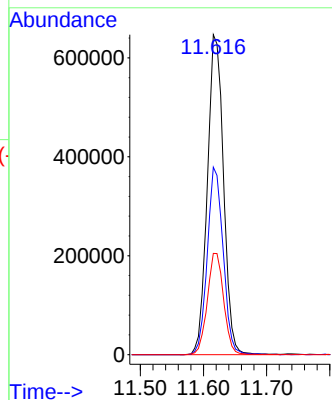


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1151034
Delta R.T. -0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Instrument :
MSVOA_N
ClientSampleId :

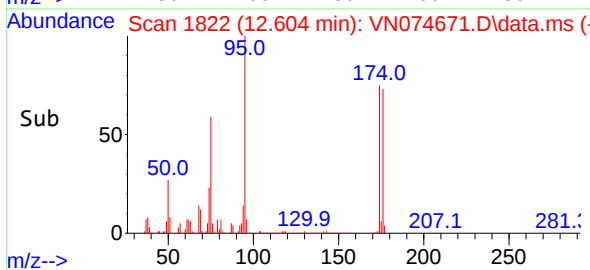
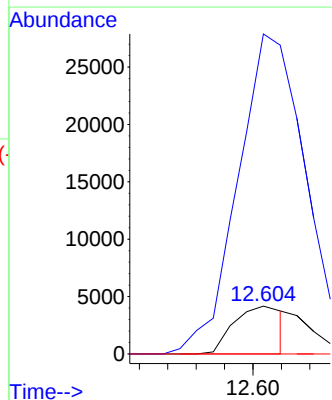
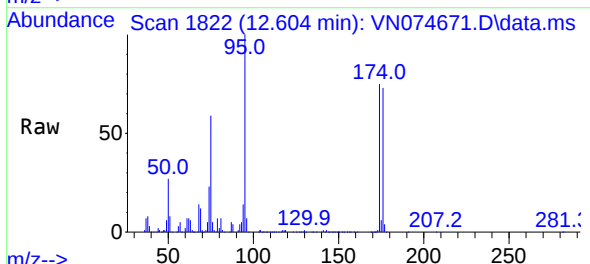


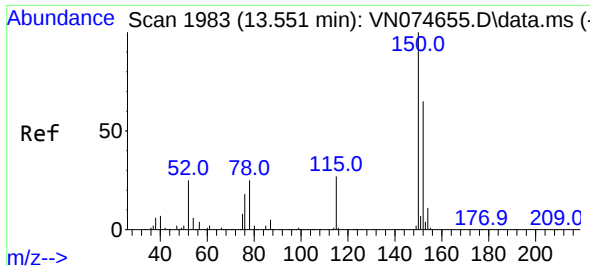
Tgt Ion:117 Resp: 1151034
Ion Ratio Lower Upper
117 100
82 58.6 44.2 66.2
119 31.7 25.4 38.0



#71
Bromoform
Concen: 0.509 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.271 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

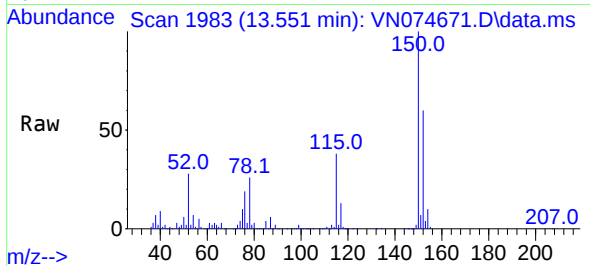
Tgt Ion:173 Resp: 5019
Ion Ratio Lower Upper
173 100
175 643.6 24.6 73.6#
254 0.0 0.1 0.1#



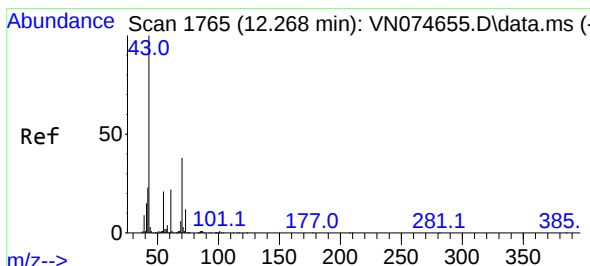
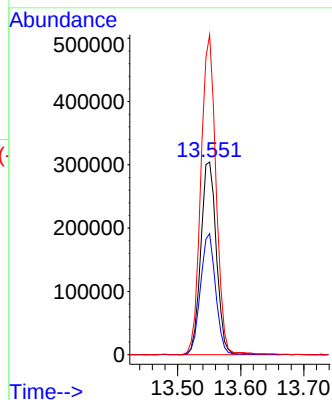
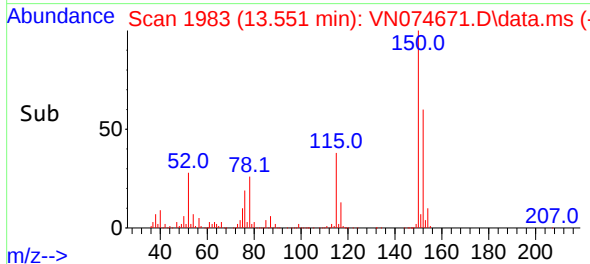


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

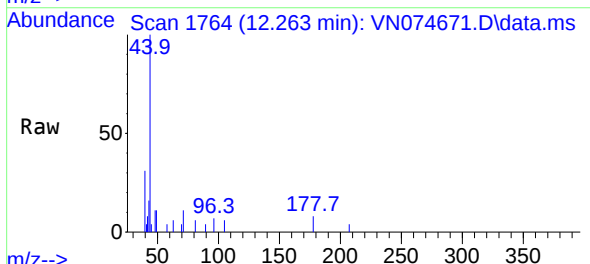
Instrument :
MSVOA_N
ClientSampleId :



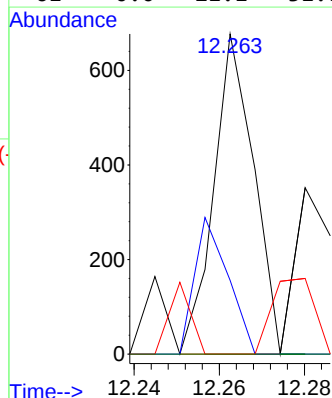
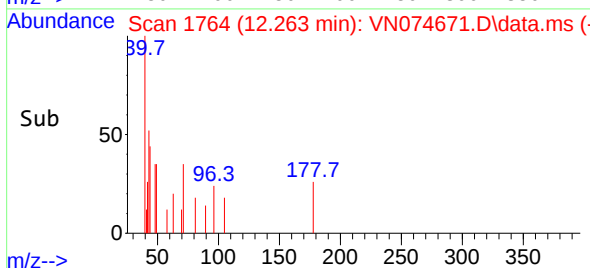
Tgt Ion:152 Resp: 521718
Ion Ratio Lower Upper
152 100
115 61.1 28.9 86.7
150 161.0 0.0 356.2

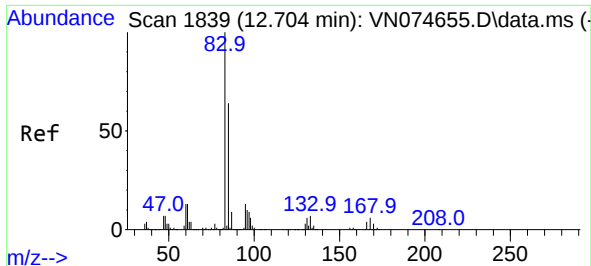


#74
N-ethyl acetate
Concen: Below Cal
RT: 12.263 min Scan# 1764
Delta R.T. -0.005 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53



Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
70 35.7 39.0 58.4#
55 12.3 21.1 31.7#
61 0.0 21.1 31.7#

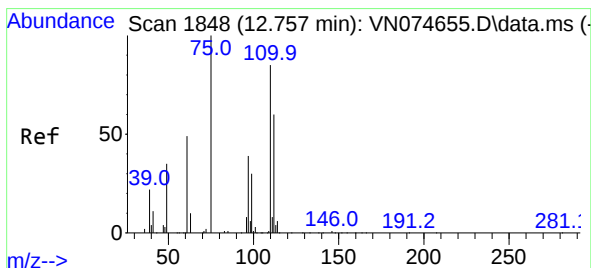
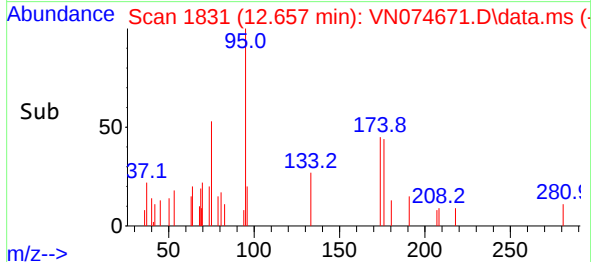
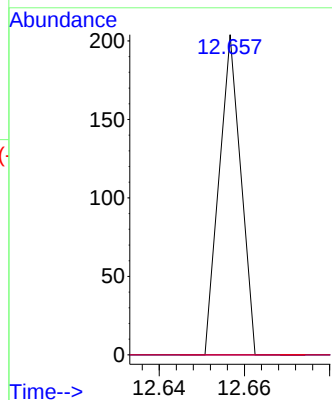
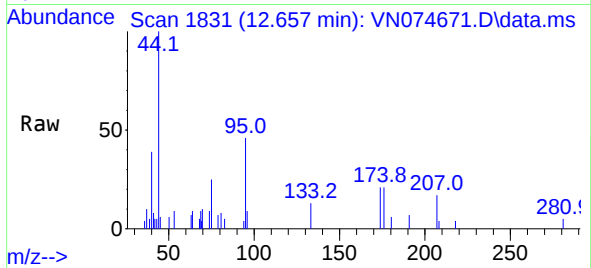




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.657 min Scan# 1821
Delta R.T. -0.047 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

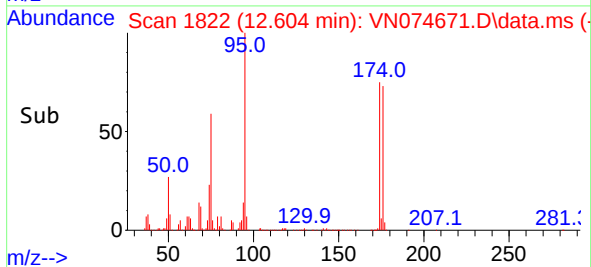
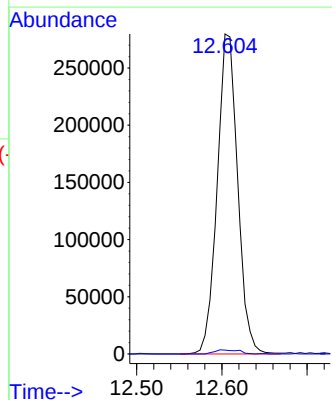
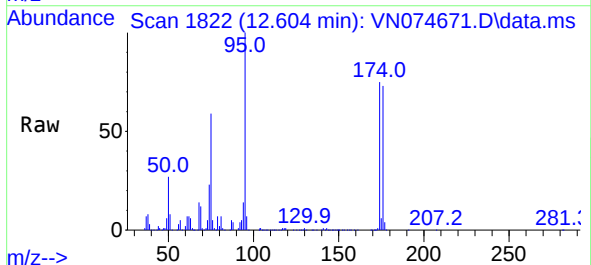
Instrument :
MSVOA_N
ClientSampleId :

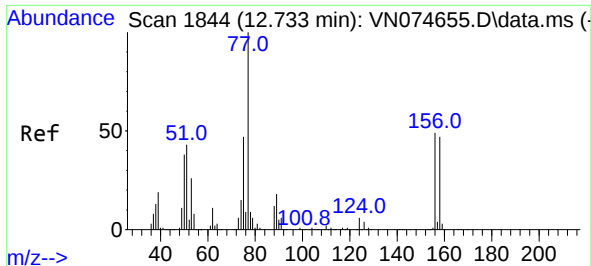
Tgt Ion: 83 Resp: 72
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 39.582 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Tgt Ion: 75 Resp: 467377
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#

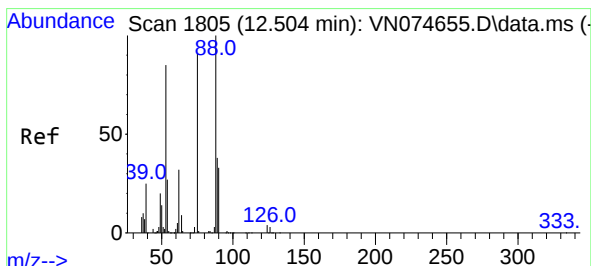
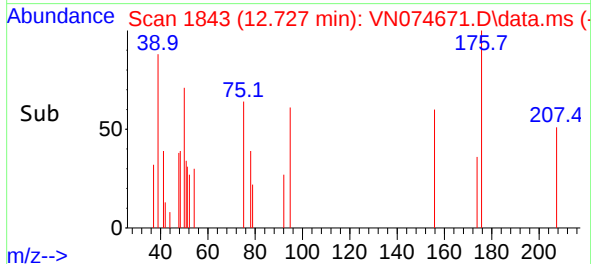
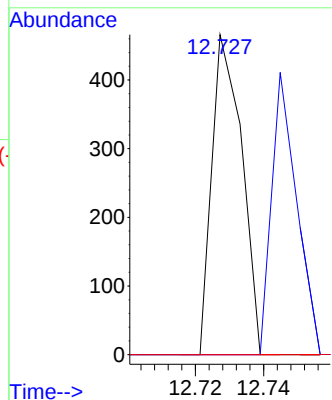
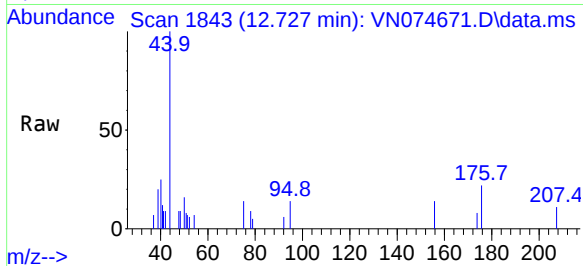




#77
Bromobenzene
Concen: Below Cal
RT: 12.727 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

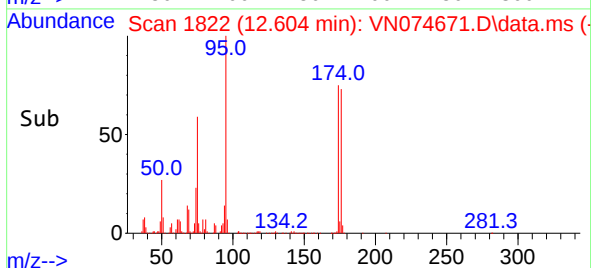
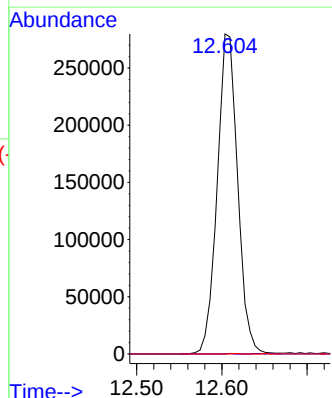
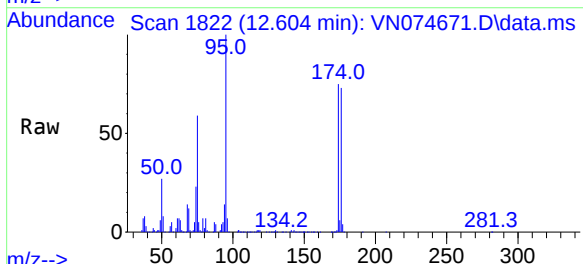
Instrument :
MSVOA_N
ClientSampleId :

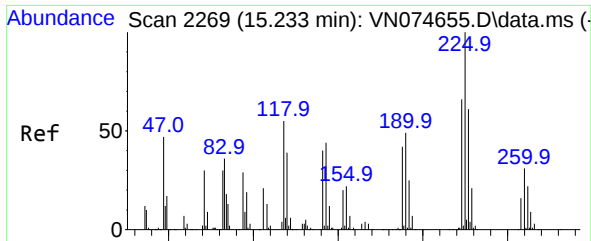
Tgt Ion:156 Resp: 283
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.863 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

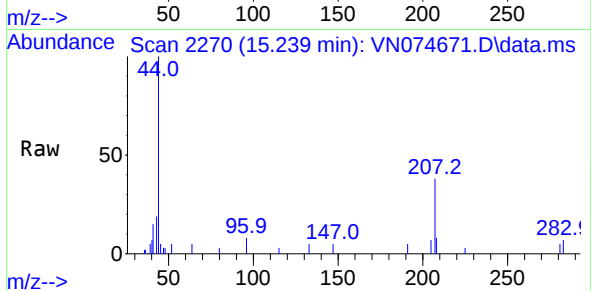
Tgt Ion: 75 Resp: 467377
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074671.D
Acq: 30 Sep 2022 16:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	225	Resp:	85
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.4	97.2#
227	0.0	31.8	95.4#

